



**2003 Pollution Prevention Award Recipients**

**Deluxe Financial Services  
Kansas City Distribution Center  
Education/Communication**

Deluxe Financial Services' Kansas City Distribution Center is awarded for their efforts in Education/Communication for its project "It's Keen to be Green."

In June 2001, the project called "It's Keen to be Green" began in the Kansas City Distribution Center. The focus of this project is to make the facility as "Green" as possible while still producing high quality products.

Items which, in the past, were thought to be insignificant are now being recycled. For example, plastic roll plugs weighing in at just one ounce have been recycled to a tune of 7,988 pounds from January 2002 until April 2003. That figure equates to approximately 127,808 plugs or 36 full semi-trailers not going to the landfill. The company also started recycling the OCC cores from the paper rolls. Since February 2002, the company has recycled 174,491 or 86.7 tons. From 2001 to 2002, the company was able to reduce its disposal costs by 66%.

Other items recycled include post-production waste paper, aluminum printing plates, aluminum pop cans, OCC, bubble wrap, plastic and wooden roll core plugs, and scrap metal. Revenue gained from aluminum cans, plastic bottles, and newspapers are donated to the employee social committee.

Deluxe Financial Services' Kansas City Distribution Plant is commended for its big strides toward becoming a "Green" facility.

### **Deluxe Financial Services Education/Communication**

Deluxe Financial Services is awarded for their efforts in implementing a successful recycling program at their facility.

A reporting process is in place to track the success of their efforts. The figures are then compared to mathematical formulas associated with the preservation of natural resources (i.e. gallons of water, number of trees, kilowatts of energy) to promote the personal rewards of their efforts outside the business environment.

During 2002, this Deluxe facility alone saved 2,845,045 gallons of water, 6,909 trees, and 1,666,383 kilowatts of electricity through its reduction efforts. Efforts to pursue daily interaction with recycling procedures involve over 400 employees in the facility.

The following items are recycled on a regular basis: paper, cardboard, ink cartridges from printers/fax machines, batteries, lamps, aluminum cans, junk mail and chemical waste. Continued educational communications are forwarded to all departments throughout the year to encourage everyone to recycle materials in the business.

Deluxe's commitment toward pollution prevention is an ongoing endeavor. Recycling habits integrated within their standard operating procedures provide the foundation for future success. Deluxe Financial Services is commended for their outstanding efforts in pollution prevention.

### **Panhandle Eastern Pipeline Company New Technology**

Panhandle Eastern Pipeline Company (PEPL) is awarded for their innovative technology for reducing pollution prevention.

Oil vapor is generated by the company's reciprocating compressor engines. The engines create a positive pressure inside the crankcase which must be relieved to ensure proper engine operation and safety. Historically, this venting process has resulted in oil vapors being emitted into the

atmosphere which was identified as a potential pollution problem. The oil vapors collected on the roof of the engine rooms and was being transported to the ground through the gutter drainage system during periods of precipitation.

The company designed a vent drainage system that separates the oil from the vent vapor so that the oil can be properly managed and disposed. In three years of monitoring, the station that installed the system has collected an average of one-half to one gallon of oil per week. The success at this station resulted in the installation of the system at other company facilities.

PEPL is commended for their outstanding efforts in pollution prevention.

### **Abilene Memorial Hospital New Initiatives**

Memorial Hospital is awarded for their efforts in waste reduction and recycling.

Commitments from top management and departmental heads have made this new initiative a success over the past few years. Each month, using a committed staff of volunteers, Memorial Hospital recycles or reuses about 160 pounds of cardboard, 240 pounds of magazines and 386 pounds of paper. Several other waste streams are collected for recycling or reuse as well.

In addition to this solid waste reduction commitment, Memorial Hospital has pledged to reduce and eliminate the use of mercury and other toxics within the facility. In April 2003 Memorial Hospital became the first Kansas facility to put this environmental commitment in writing, by joining the national Hospital for a Healthy Environment (H2E) pollution prevention program.

Memorial Hospital is commended for their pollution prevention efforts and for becoming the first hospital in Kansas to join the H2E program.

### **Coordinating Committee for Automotive Repair (CCAR®) Education/Communication**

CCAR® is awarded for their efforts to improve the environment through education and communication with the automotive repair industry.

The S/P2 Online Training Project seeks to address the Safety and Pollution Prevention issues that are important to everyone in an automotive repair or maintenance operation. The S/P2 courses were initially designed for two industry segments (collision repair/painting and mechanical service) but have now expanded into two new industries (automotive warehouses and insurance claims staff). Each course deals precisely with a majority of the environmental problems encountered in the shop each day.

Since January 1, 2002, S/P2 has been adopted by 791 automotive career and technical schools as collision repair or mechanical programs, is being used in all 50 states plus Canada, and is accessible to more than 54,000 students in the automotive trades.

CCAR<sup>®</sup> is commended for providing much needed training to help shop owners, managers and technicians decide on management strategies, technologies, materials, and methods that will reduce business costs and help manage hazardous wastes and related items in an environmentally responsible manner.

### **City of Wichita Sewage Treatment Division New Initiatives**

The City of Wichita is awarded for their efforts in reducing silver and mercury discharges.

Through a series of investigations, the City of Wichita Pretreatment staff discovered that dental facilities were contributing approximately 75% of the overall mercury loading to the Publicly Owned Treatment Works (POTW). A voluntary program was developed with assistance from K-State's Pollution Prevention Institute in which the dental community implemented technology that removed amalgam from their wastewater. Recent analysis have showed that the headworks mercury loading for the City of Wichita's Sewage Treatment facility have decreased by approximately 71% with final effluent concentrations entering the river decreasing by 74%.

City of Wichita staff also began a program to recycle silver that was being discharged to the POTW from photo-finishers, printers, and diagnostic x-rays. The city purchased a silver recovery unit and process waste fixer from small businesses where silver recovery is not cost effective. To date, approximately 75 lbs. of silver have been recovered and recycled.

The City of Wichita is commended for the pollution prevention efforts.

### **Z's Divine Espresso Special Projects**

Z's Divine Espresso is awarded for their efforts in energy and waste reduction and recycling.

Pollution prevention is one of the basic principles upon which Z's Divine Espresso is based. Energy use is reduced by the use of energy efficient lighting, motion-sensing switches, and programmable thermostats.

The company has implemented various waste reduction practices such as: providing customers with a discount for using reusable mugs, writing orders on a white board with a dry-erase marker instead of paper, and many more.

The program which has resulted in the largest reduction in waste is to offer the spent coffee grounds to local farmers and gardeners. Approximately 12,000 pounds of coffee grounds have been given to local gardeners or farmers. The company also built a small compost bin for spent grounds, leaves, roasting chaff, and scrap paper. The compost is used to amend the soil at the store.

The company also recycles glass, paper and plastic bottles and various kinds of paper and cardboard. Z's Divine Espresso is commended for their pollution prevention efforts.

**City of Wichita  
Department of Environmental Health  
Education/Communication**

The City of Wichita is awarded for their educational "Discovery Boxes" at the Wichita Area Treatment Education & Remediation (WATER) Center.

The WATER Center houses the equipment needed to clean the polluted groundwater from the Gilbert & Mosley Project and is designed to encourage public interest and observation on how groundwater is remediated. The WATER center will offer a hands-on interactive environmental center dedicated to the education and health issues caused by water pollution.

One of the resources available are the "Discovery Boxes," which contain materials and videos that are topic-specific, while utilizing a number of excellent, already-developed curriculum materials that exist for water and pollution related subjects. These self-contained boxes will not only be used within the education facility, but will also provide educational outreach to classrooms, home-schools, scout troops, and other groups.

The City of Wichita is commended for taking the initiative in the clean-up project and for developing an educational facility to encourage pollution prevention.